

October 14, 2008

Subject: 100 Incorrect Batteries received by Milwaukee Fire Department

Exhibits:

48 – M/A-COM BATTERY CAPACITY MATRIX

47 – Milwaukee Fire Department Battery Maintenance Program

See related exhibits: 4 and 5 – original order of Nickel Metal Hydride Batteries

Milwaukee Fire Department requested 100 additional batteries as spares to power the 125 P7100 VHF radios. Batteries were to be taken from our original order. Upon receipt of batteries it was discovered by Dan Schubring that a different serial number was on the back of the battery pack. Dan called M/A Com technical assistance. Reference #102504 and received a voice mail from a Mr. Ben Jones. He stated that we had in our possession a different battery than what we had ordered and what had previously been sent to us.

We ordered: (NiMH) (250 in the field)

7.5 V. Nickel Metal Hydride High Capacity Batteries rated at 2400 MAH. These batteries are IS rated and have an extra long talk time capacity.

M/A Com sent us: (NiCd)

7.5 V Nickel Cadmium High Capacity Batteries rated at 1600 MAH. These batteries are IS rated and have less talk time capacity.

Exhibit 47: The Milwaukee Fire Department battery maintenance program is based upon a NiMH battery that is rated at 2400 MAH, and persons are directed to condition these batteries and to return to the BIT for replacement if capacity drops below 70% or 1700 MAH. The batteries we received are NiCd and are rated at 1600 MAH. They do not even have enough capacity to begin with. This is a safety issue. Additionally, these wrong batteries cost less, have memory issues and are not as environmentally friendly.

M/A-COM BATTERY CAPACITY MATRIX

BATTERY PART NUMBER	OPTION NUMBER	RADIO MODEL	DESCRIPTION	CHEM.	NOMINAL CAPACITY mAh	IS
344A3487P1	PKPA1W	M-RK	Medium Capacity	NiCd	600	
19A149838P1	PKPA1X	M-RK	High Capacity	NiCd	1200	
19A149838P2	PKPA5W	M-RK	High Capacity	NiCd	1200	Yes
344A3278P1	PKPA1Y	M-RK	Extra High Capacity	NiCd	1700	
344A3278P2	PKPA5X	M-RK	Extra High Capacity	NiCd	1700	Yes
BT-010066-001	N/A	M-RK	High Capacity	NiMH	1400	
BT-010066-002	N/A	M-RK	High Capacity	NiMH	1400	Yes
BT-010066-003	PKPA1X	M-RK	High Capacity	NiCd	1000	
BT-010066-004	PKPA5W	M-RK	High Capacity	NiCd	1000	Yes
BKB 191 203	H9PA7L	PRISM / LPE / KPC	High Capacity	NiCd	1500	
BKB 191 203/2	H9PA7N	PRISM / LPE / KPC	High Capacity	NiCd	1500	Yes
BKB 191 202	H9PA7M	PRISM / LPE / KPC	Extra High Capacity	NiCd	1600	
BKB 191 202/2	H9PA7P	PRISM / LPE / KPC	Extra High Capacity	NiCd	1600	Yes
BKB 193 067	DYPA5Z	ALLEGRA	High Capacity	NiCd	N/A	
BKB 193 071	DYPA7A	ALLEGRA	Extra High Capacity	NiCd	N/A	
BKB 193 076	N/A	DPE	Medium Capacity	NiMH	550	
BKB 193 079	N/A	DPE	High Capacity	NiMH	950	
BKB 193 031	N/A	DPE	Extra High Capacity	NiMH	1100	
BKB 191 204/1	MGPA7F	MONOGRAM (EDACS)	High Capacity	NiCd	1100	
N/A	MHPA5P	MONOGRAM (LOWBAND)	Medium Capacity	NiCd	600	
BKB 191 208/1	N/A	NPC-50	High Capacity	NiCd	850	
BKB 191 207/1	N/A	NPC-200	High Capacity	NiCd	1100	
19A704850P4	PAPA1C	M-PA / M-PD / MTL / P400 / PLS / TPX	Medium Capacity	NiCd	800	Yes
19A704850P7	PAPA1H	M-PA / M-PD / MTL / P400 / PLS / TPX	High Capacity	NiCd	1200	
19A704850P6	PAPA1G	M-PA / M-PD / MTL / P400 / PLS / TPX	High Capacity	NiCd	1200	Yes
19A704850P9	N/A	M-PA / M-PD / MTL / P400 / PLS / TPX	High Capacity	NiCd	1400	
19A704860P7	PAPA1E	M-PA / M-PD / MTL / P400 / PLS / TPX	Extra High Capacity	NiCd	1700	
19A704860P6	PAPA1F	M-PA / M-PD / MTL / P400 / PLS / TPX	Extra High Capacity	NiCd	1700	Yes
BKB 191 205/1	PAPA1H	M-PA / M-PD / MTL / P400 / PLS / TPX	High Capacity	NiCd	1400	
BKB 191 205/2	PAPA1G	M-PA / M-PD / MTL / P400 / PLS / TPX	High Capacity	NiCd	1400	Yes
BKB 191 205/3	PAPA1E	M-PA / M-PD / MTL / P400 / PLS / TPX	Extra High Capacity	NiCd	1800	
BKB 191 205/4	PAPA1F	M-PA / M-PD / MTL / P400 / PLS / TPX	Extra High Capacity	NiCd	1800	Yes
19A705293P1	PCPA1J	PCS	High Capacity	NiCd	1400	
19A705293P5	PCPA5K	PCS	High Capacity	NiCd	1400	Yes
19A705293P2	PCPA1K	PCS	Extra High Capacity	NiCd	1700	
19A705293P3	PCPA1L	PCS	Extra High Capacity	NiCd	1700	Yes
BKB 191 206/1	MGPA5B	MONOGRAM (CONV)	Medium Capacity	NiCd	600	
BKB 191 206/3	MGPA5C	MONOGRAM (CONV)	High Capacity	NiCd	1200	
BKB 191 209/1	JPPA7R	IPE	High Capacity	NiCd	950	
BKB 191 209/3	JPPA7S	IPE	Extra High Capacity	NiCd	1500	
BKB 191 213/1	KBPA7Z	PANTHER 300P	High Capacity	NiCd	1460	
BKB 191 212/1	KDPA9B	EDACS 300P	High Capacity	NiCd	1100	
BKB 191 212/3	KDPA9D	EDACS 300P	High Capacity	NiCd	1100	Yes
BKB 191 212/2	KDPA9C	EDACS 300P	Extra High Capacity	NiCd	1450	
BKB 191 212/4	KDPA9E	EDACS 300P	Extra High Capacity	NiCd	1450	Yes
BKB 191 203/500	KHPA9L	PANTHER 500P	High Capacity	NiCd	1500	
BKB 191 203/502	KHPA9M	PANTHER 500P	High Capacity	NiCd	1500	Yes
BKB 191 202/500	KHPA9J	PANTHER 500P	Extra High Capacity	NiCd	1600	
BKB 191 202/502	KHPA9K	PANTHER 500P	Extra High Capacity	NiCd	1600	Yes
VETOPB1U0	GPPA9F	PANTHER 400P/405P/600P/605P/625P	High Capacity	NiCd	1100	
VETOPB2U0	GPPA9G	PANTHER 400P/405P/600P/605P/625P	Extra High Capacity	NiCd	1500	
VETOPB200-IF	GPPA9T	PANTHER 405P / 605P	Extra High Capacity	NiCd	1500	Yes
VETOPB5U0	GPPA9H	PANTHER 400P/405P/600P/605P/625P	Extra High Capacity	NiMH	2000	
BKB 191 210/3 & /33	HA / HTPA7V	J700P / P7100 (immersion)	High Capacity	NiCd	1600	
BKB 191 210/5 & /35	HA / HTPA7X	J700P / P7100 (immersion)	High Capacity	NiCd	1600	Yes
BKB 191 210/4 & /34	HA / HTPA7W	J700P / P7100 (immersion)	Extra High Capacity	NiMH	2400	
BKB 191 210/6 & /36	HA / HTPA7Y	J700P / P7100 (immersion)	Extra High Capacity	NiMH	2400	Yes
BKB 191 210/23 & /43	HA / HTPA9N	J700P / P7100 (driven rain)	High Capacity	NiCd	1600	
BKB 191 210/25 & /45	HA / HTPA9R	J700P / P7100 (driven rain)	High Capacity	NiCd	1600	Yes
BKB 191 210/24 & /44	HA / HTPA9P	J700P / P7100 (driven rain)	Extra High Capacity	NiMH	2400	
BKB 191 210/26 & /46	HA / HTPA9S	J700P / P7100 (driven rain)	Extra High Capacity	NiMH	2400	Yes
N/A	MAHROS0014	P-801T / P-800 (Opensky)	Extra High Capacity	NiMH	2100	